MINISTRY OF SUPPLY (S.R.D.E.)

VALVE ELECTRONIC CV1308
(AR 10)

Specification MOS/CV1308/Issue 4 Dated 11.2.46 To be read in conjunction with K1001	SECURITY Specification Restricted	Valve Restricted

→ indicates a change

TYPE OF VALVE:- Double Diode Triode
CATHODE:- Directly heated
ENVELOPE:- Metallised
PROTOTYPE:- L21DD

MARKING
See K1001/4

RATING			Note
Filament Voltage	(V)	2.0	
Filament Current	(A)	0.1	
Max. anode voltage	(V)	150	
Mutual conductance	(mA/V)	1.85	A
Amplification factor		18.5	A
Anode impedance	(Ω)	10000	A
CAPACITANCES (pF)			
Cag		3.25	
Cae		6.75	
Cge		2.25	

BASE
B5

Pin	Electrode
1	Anode
2	Diode 1
3	Filament and metallising
4	Filament
5	Diode 2
T.C.	Control grid

TOP CAP
See K1001/AI/D5.1

DIMENSIONS
See K1001/AI/D1

Dimensions	Min	Max
A mm	-	122
B mm	-	38
L mm	-	106

NOTES

A. Measured at Va = 120, Vg1 = -1.5

This valve type is obsolete and this specification is for record purposes only.

CV1308

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions			Test	Limits Min	Limits Max	No. tested
a	See K1001/AIII			Capacitances (pF)			
	Links to HP	Links to LP	Links to E				
	1	TC1	2,3,4,5, 6,7,8,9, 10, TC2	i Cag	2.25	4.25	6
	1	2,3,4,5	6,7,8,9, 10, TC1, TC2	ii Cae	5.25	8.25	per
	TC1	2,3,4,5	1,6,7,8, 9,10,TC2	iii Cge	1.25	3.25	week
	Vf	Va	Vg				
b	2.0	-	-	If (A)	0.09	0.11	100% or S
	Triode Section						
c	2.0	120	-3	Ia (mA)	2.4	4.2	100%
d	2.0	120	-3 to 0	Ia rise (mA)	4.4	6.6	100%
e	2.0	120	-3	Rev. Ig (μA)	-	1.0	100%
f	2.0	120	-20	Ig (μA)	-	0.3	100%
g	Double Diode Section						
	2.0	A positive voltage will be applied to Diode 1 such that the diode current is less than 10 μA; the voltage will then be increased by 5 volts and the diode current shall be not less than 400 μA. The same test will be applied to Diode 2.					100%